

Green Spaces – General Section

The purpose of this inventory is to give students an overview of how the green spaces around their school are generally used and maintained.

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	Inventory Questi	ions Ideas School Imp	ovement	Connections to KY Academic Standards		
	1. Who is responsible for main school grounds?	track changes your school. I website to sha	around http://www.biology.eku.edu/kbs/default.html ut it on a le with Wild Ones Natural Landscapes	Primary SC-EP-4.7.1 Students will describe the cause and effect relationships existing between organisms		
	2. How much class time is spe the school grounds?	the state. Start a phenol	Kentucky chapter of Wild Ones http://www.for-wild.org/chapters.html	and their environments. The world has many different environments. Organisms require an environment in which their needs can be met. When the environment changes some plants and animals		
	Does anyone at your school seasonal changes (e.g., weather flowers blooming, wildlife be occurring on your school grown or sch	ather patterns, havior) school day of to observe the	Developing Outdoor Learning Areas—A Kentucky Guide http://www.state.ky.us/agencies/envred/DevelopingOutdoorLearning.pdf Guide to Creating, Using, and Maintaining Outdoor Classrooms http://keec.ky.gov/Outdoor%20classroom%20guide.pdf . I on the log	survive and reproduce and others die or move to new locations. DOK 2 Fourth Grade SC-04-4.7.1 Students will make predictions and/or inferences based on patterns of evidence related to the survival and reproductive success of organisms in particular environments. Choolyd The world has many different environments. Distinct environments support the lives of		
	C. Water D. Butterfly Gardens E. Natural habitat areas F. Other (please explain)	of the wildlife? Yes \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	habgd.html e on your that will Kentucky Ornithological Society http://www.biology.eku.edu/kos/default.htm blement a e the und your Fish and Wildlife Backyard Habitat Program http://fw.ky.gov/navigation.asp?cid=229&NavPath=C130C174 Journey North—A global study of wildlife migration and seasonal change. http://www.learner.org/jnorth/	different types of organisms. When the environment changes some plants and animals survive and reproduce and others die or move to new locations. Examples of environmental changes resulting in either increase or decrease in numbers of a particular organism should be explored in order to discover patterns and resulting cause and effect relationships between organisms and their environments (e.g., structures and behaviors that make an organism suited to a particular environment). Connections and conclusions should be made based on the data. DOK 3 SS-04-4.1.1 Students will use geographic tools (e.g., maps, charts, graphs) to identify and describe natural resources and other physical characteristics (e.g., major landforms, major bodies		
	5. Are any plants or animals fo school grounds considered unuisances?" Yes No Please explain:	undesirable or any of the plat growing near Make a list of and talk to growing there are maintenance are removing there.	http://www.naturenet.com/earthalive/mmsd/phenology.asp bur school. ne top 5 inds taff about Southeast Exetia Root Plant Council Micros of sammon invasive woods in the	of water, weather, climate, roads, bridges) in regions of Kentucky and the United States. DOK 2 Fifth Grade SC-05-4.7.1		
1	Are any plants or animals fo school grounds native to Ke Yes No Please explain:		the area hool. you ducational the map	serve in an ecosystem (e.g., producers, consumers, decomposers); • draw conclusions about the effects of changes to populations in an ecosystem. Populations of organisms can be categorized by the function they serve in an ecosystem. Plants and some microorganisms are producers because they make their own food. All animals, including humans, are consumers, and obtain their food by eating		



7.	How would you rate* the biodiversity on the school grounds? *High – greater than 100 different species of visible plant or animal life Medium – 40 to 99 different species of small plants and insects mostly; few vertebrate or tree species live or visit the grounds Low – less than 40 different species; little variety of plant and animal life	sites you have highlighted. Print copies and share with teachers at your school. As a class or in groups, create a large map of your county. Include rivers, creeks, caves, natural areas and national forests or parks in your county. Put your school	other organisms. Decomposers, primarily bacteria and fungi, are consumers that waste materials and dead organisms for food. Food webs identify the relationship among producers, consumers and decomposers in an ecosystem. Using data ga from observing interacting components within an ecosystem, the effects of chang be predicted. DOK 3 SS-05-4.1.1 Students will use geographic tools (e.g., maps, charts, graphs) to identify natural resources and other physical characteristics (e.g., major landforms, major bodies of weather, climate, roads, bridges) and analyze patterns of movement and settlemer United States.	ps ained ges can of water,
8.	What type of land borders your school (e.g., residential, agricultural, natural areas such as rivers or forests, commercial, industrial)? Please list all by compass direction. A. North	on the map to see how close you are to these places.	Sixth Grade SS-06-4.1.1 Students will use a variety of geographic tools (maps, photographs, charts, graph databases, satellite images) to interpret patterns and locations on Earth's surface present day. DOK 3	
	B. East C. South D. West		SC-06-4.7.1 Students will describe the consequences of change in one or more abiotic factors population within an ecosystem. The number of organisms an ecosystem can support depends on the resources	s on a
9.	What other nearby "green spaces" are suitable for educational purposes (e.g., community park two blocks away, green belt along the river within walking distance of school property, non-profit historical farm located a 5-mile bus trip away, permission from the landowner to use the vacant lot next door)?		available and abiotic factors (e.g., quantity of light and water, range of temperature composition). DOK 2 Seventh Grade SC-07-4.7.1 Students will compare abiotic and biotic factors in an ecosystem in order to expla consequences of change in one or more factors. The number of organisms an ecosystem can support depends on the resources	
10.	How are field studies or related outdoor classroom topics incorporated into each grade's curriculum?		available and abiotic factors (e.g., quantity of light and water, range of temperature composition). Given adequate biotic and abiotic resources and no diseases or propopulations (including humans) increase at rapid rates. Lack of resources and off factors, such as predation and climate, limit the growth of populations in specific resources.	redators, her
11.	Do students at your school have access to a map of the school grounds? What type of information is included in the map (ex: topographic lines, land use, land cover, water bodies, etc) Yes No Please explain:		in the ecosystem. DOK 3 Eighth Grade SC-08-4.7.1 Students will describe the interrelationships and interdependencies within an ecosystem and predict the effects of change on one or more components within an ecosystem.	osystem



12.	What areas are used during the time spent outside on the school grounds (i.e. playground, athletic fields, courtyard, garden, etc)?		Organisms both cooperate and compete in ecosystems. Often changes in one component of an ecosystem will have effects on the entire system that are difficult to predict. The interrelationships and interdependencies of these organisms may generate ecosystems that are stable for hundreds or thousands of years. DOK 3
13.	Does your school have large shade trees that help control the seasonal temperature of your school building? If so, what kind of trees are present? Yes No Please explain:		High School SC-HS-4.7.1 Students will: • analyze relationships and interactions among organisms in ecosystems; • predict the effects on other organisms of changes to one or more components of the ecosystem. Organisms both cooperate and compete in ecosystems. Often changes in one
14.	Are there any areas that flood or have drainage problems when it rains at your school? Yes No No		component of an ecosystem will have effects on the entire system that are difficult to predict. The interrelationships and interdependencies of these organisms may generate ecosystems that are stable for hundreds or thousands of years. DOK 3
15.	Approximately what percent of your outdoor school grounds is impervious surface (paved) and what percent of your school grounds is vegetated (grass, trees, shrubs, etc)? Impervious Surface % Vegetation %		SS-HS-4.1.1 Students will use a variety of geographic tools (e.g., maps, globes, photographs, models, satellite images, charts, graphs, databases) to explain and analyze the reasons for the distribution of physical and human features on Earth's surface. DOK 3
16.	Does your school have an outdoor classroom? If so, who uses it and how often is it used? Yes No Please explain:		
17.	If your school does not have an area outside designated as an outdoor classroom, please tell us about any available space that could be used for the development of an outdoor classroom?		
18.	What educational features does your outdoor classroom have? (ex: wetlands, wildlife garden, vegetable garden, native tree stand, animal track box, etc)		



19.	Who conducted the Green Spaces Inventory (e.g., Mrs. Wood's fourth grade class with help from Mr. Turf, maintenance worker, local Home Depot store, and the local natural resources conservation district)?	
	store, and the local natural resources	